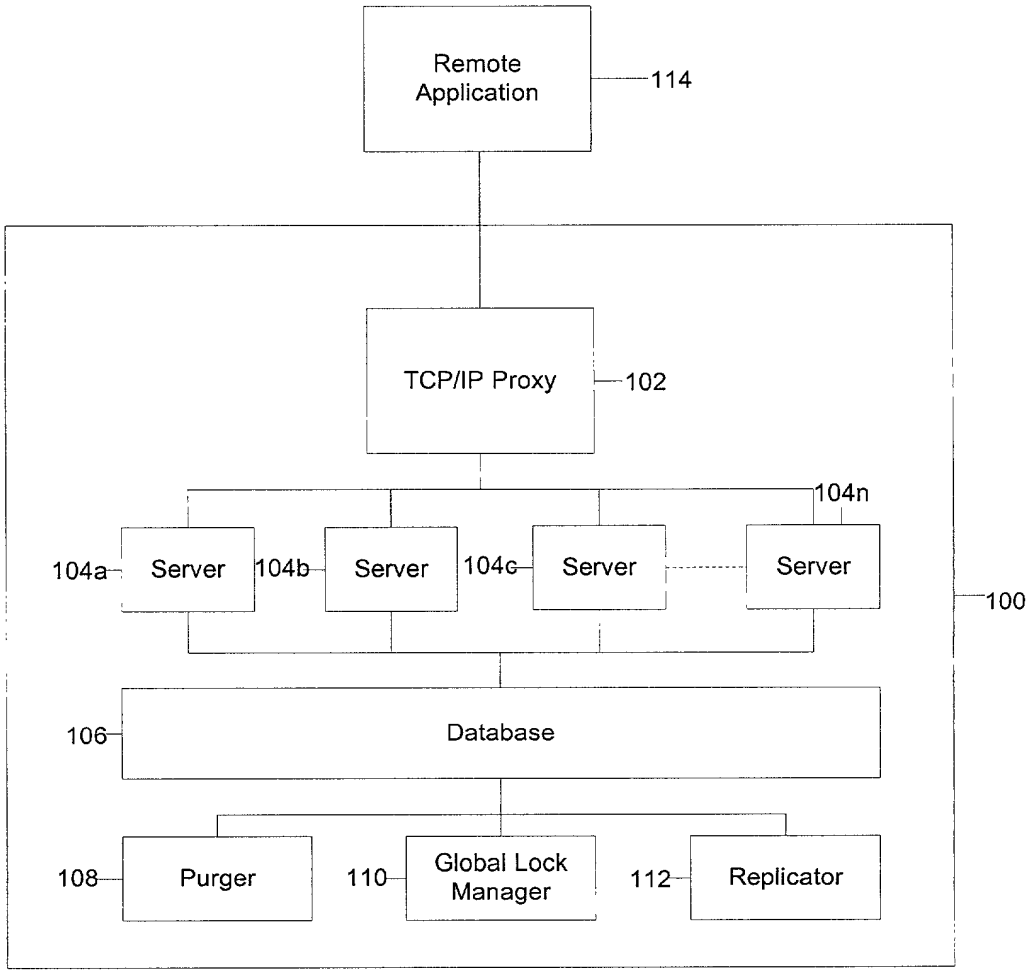
Remote Application
114
TCP/IP Proxy
102
104n
104a
Server
104b
Server
104c
Server
Server
100
106
Database
108
Purger
110
Global Lock Manager
112
Replicator

Figure 1

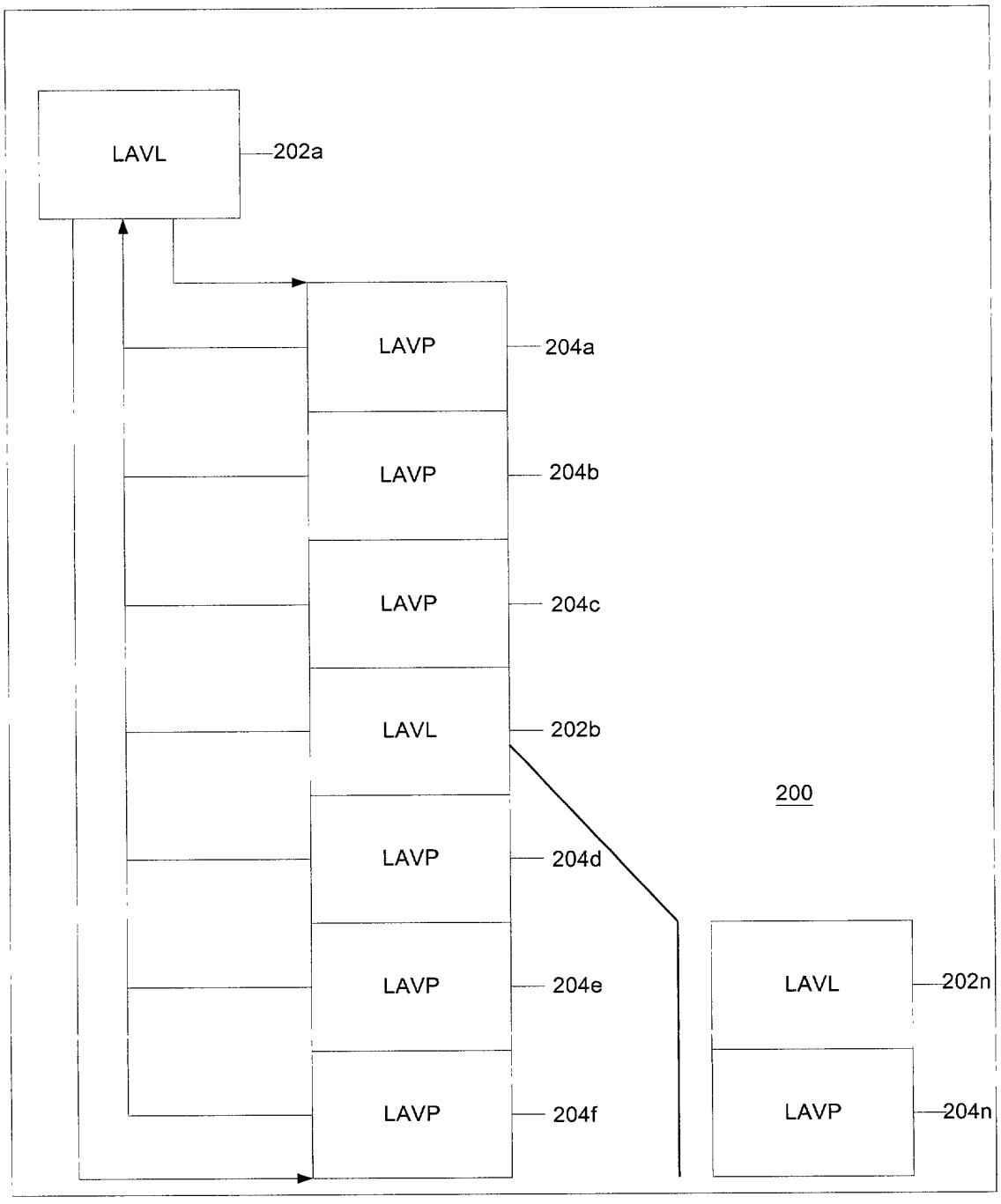
LAVL
202a
LAVP
204a
LAVP
204b
LAVP
204c
LAVL
202b
200
LAVP
204d
LAVP
204e
LAVP
204f
LAVL
202n
LAVP
204n

Figure 2

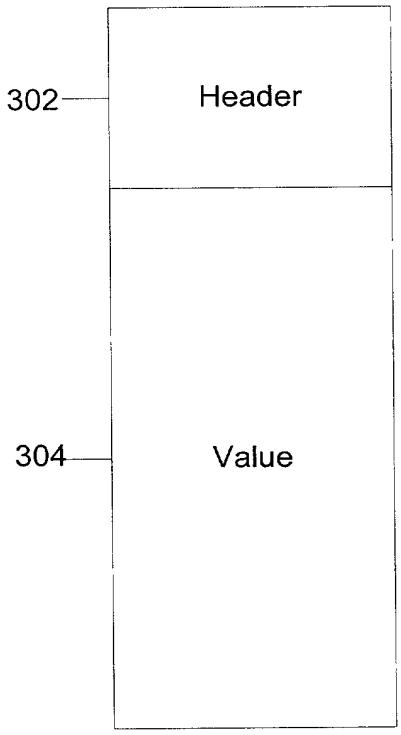

Figure 3A

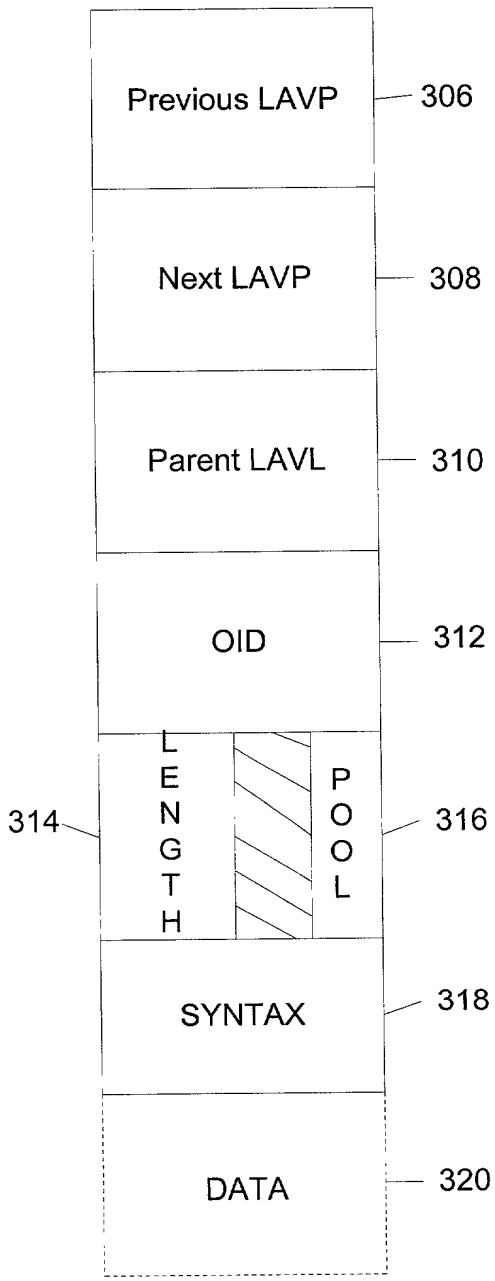
Previous LAVP
306
Next LAVP
308
Parent LAVL
310
OID
312
LENGTH
314
POOL
316
SYNTAX
318
DATA
320

Figure 3B

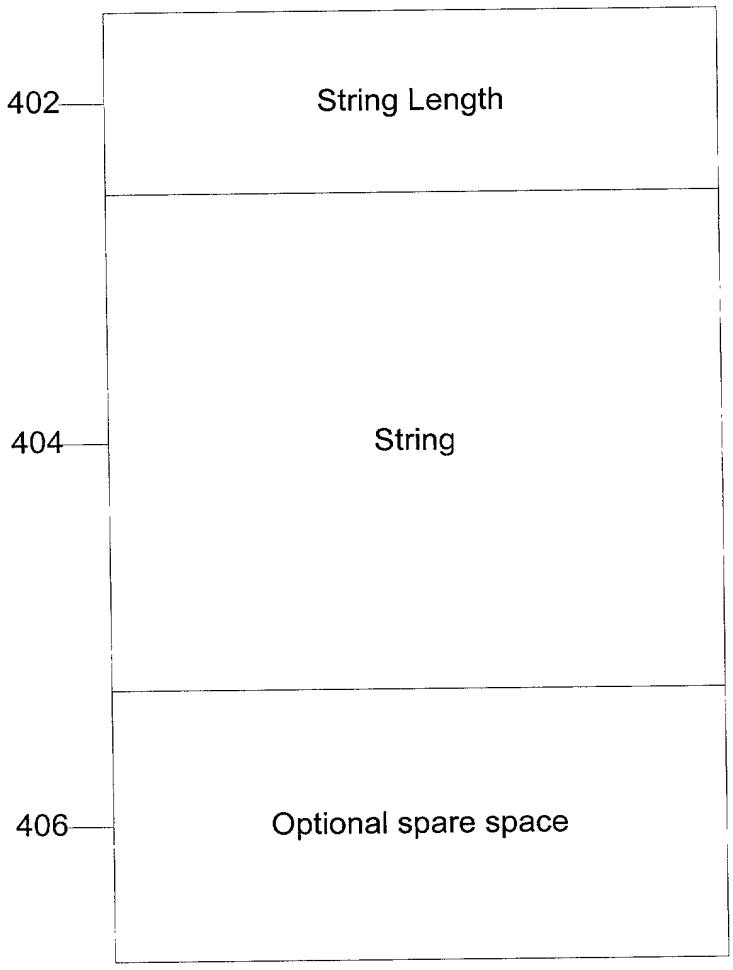

Figure 4


Ensemble - 502
Color - 504
Shirt - 506
Size - 512
Material - 514
Sleeve - 516
Pants - 508
Material - 518
Inseam - 520
Shoes - 510
Material - 522
Size - 524
Color = Black - 526
500

Figure 5

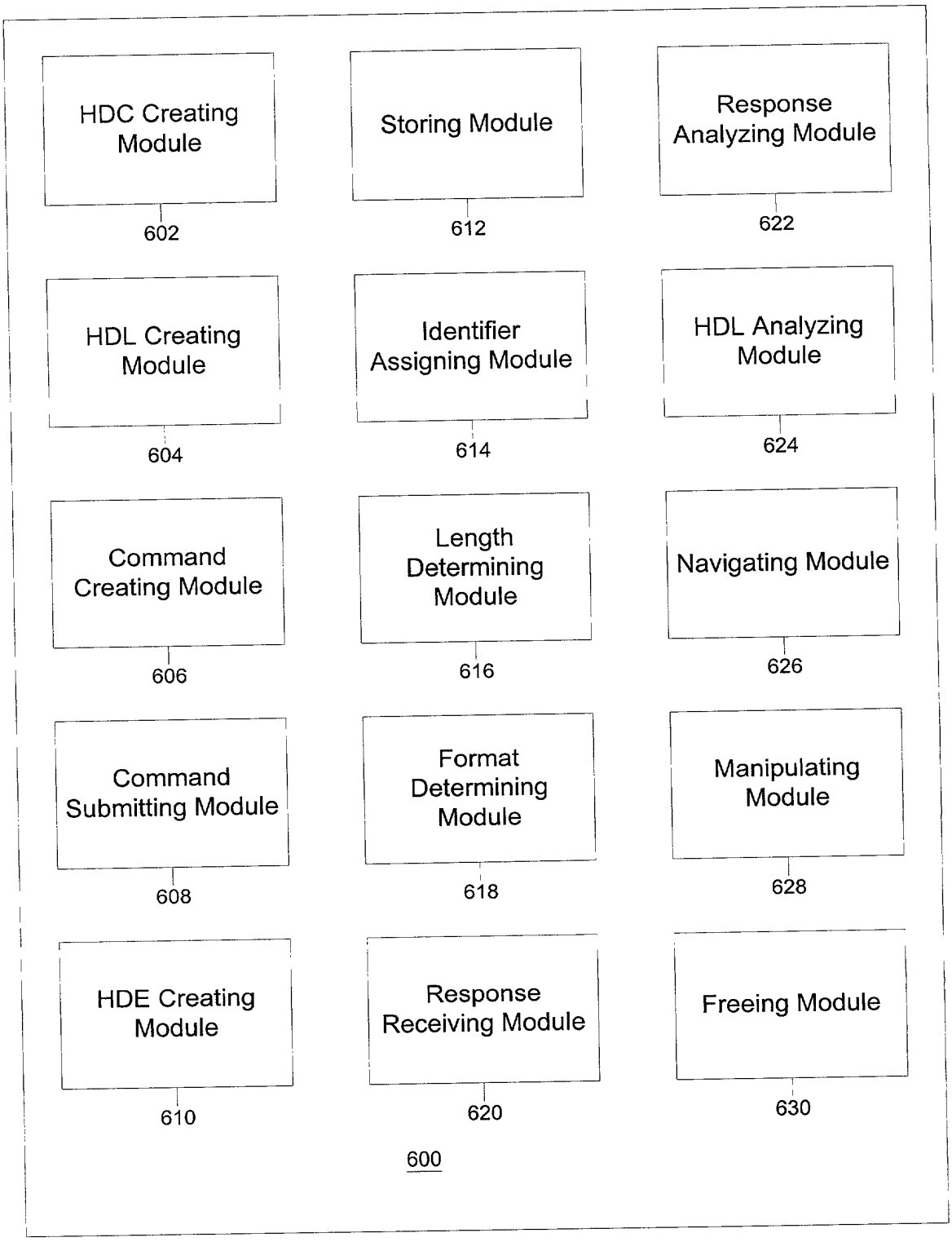
HDC Creating Module
602
Storing Module
612
Response Analyzing Module
622
HDL Creating Module
604
Identifier Assigning Module
614
HDL Analyzing Module
624
Command Creating Module
606
Length Determining Module
616
Navigating Module
626
Command Submitting Module
608
Format Determining Module
618
Manipulating Module
628
HDE Creating Module
610
Response Receiving Module
620
Freeing Module
630
600

Figure 6A

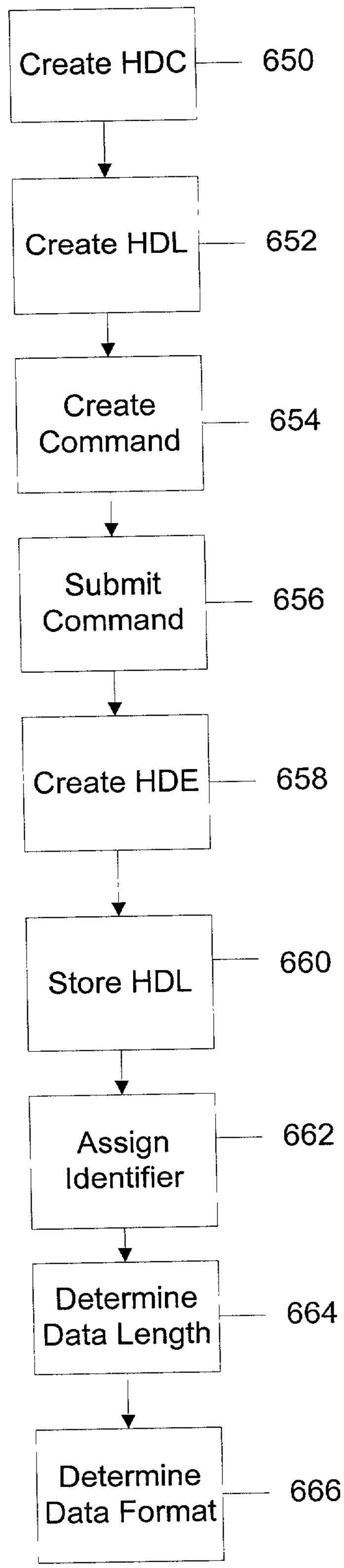
Create HDC
650
Create HDL
652
Create Command
654
Submit Command
656
Create HDE
658
Store HDL
660
Assign Identifier
662
Determine Data Length
664
Determine Data Format
666

Figure 6B

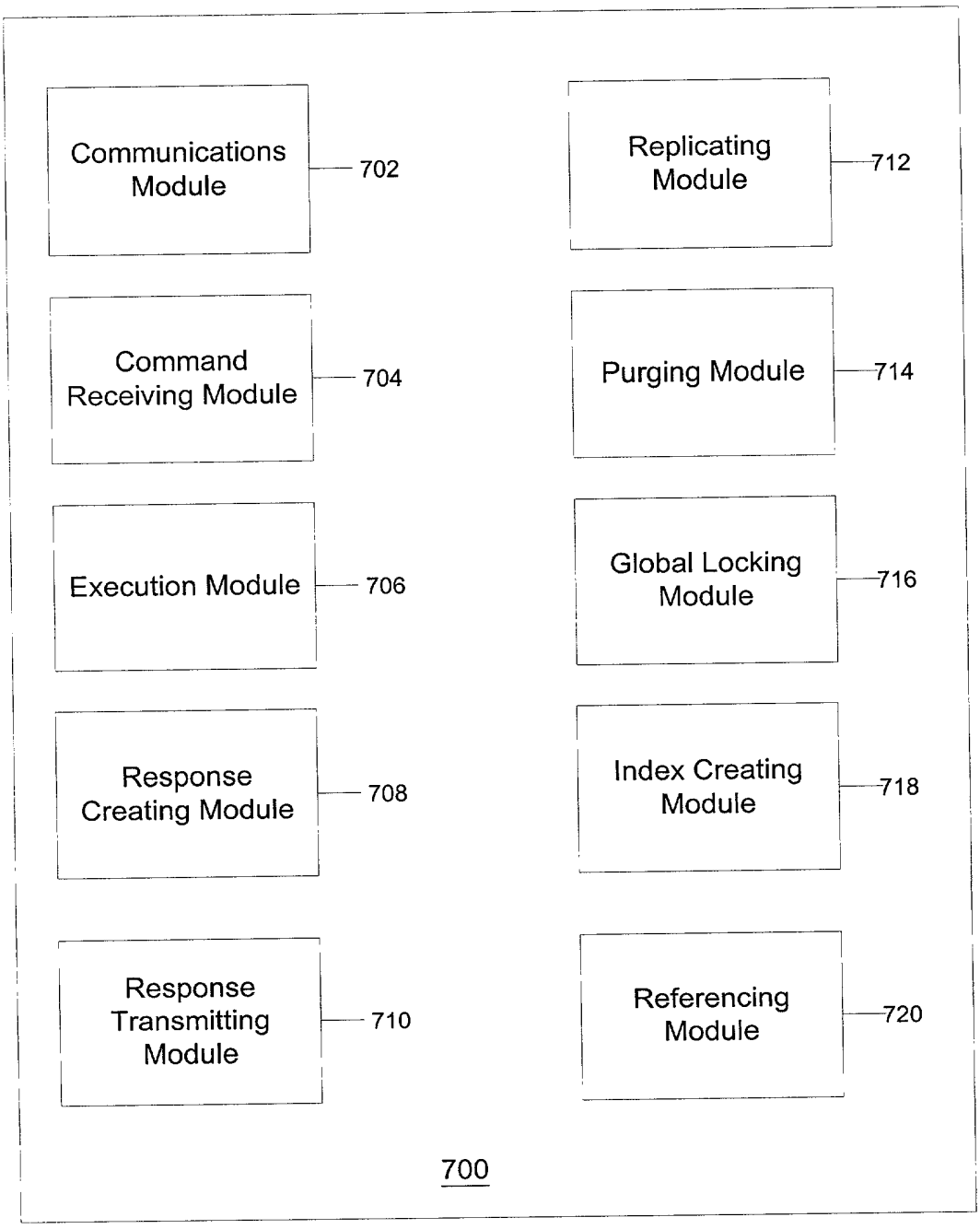
Communications Module
702
Command Receiving Module
704
Execution Module
706
Response Creating Module
708
Response Transmitting Module
710
Replicating Module
712
Purging Module
714
Global Locking Module
716
Index Creating Module
718
Referencing Module
720
700

Figure 7

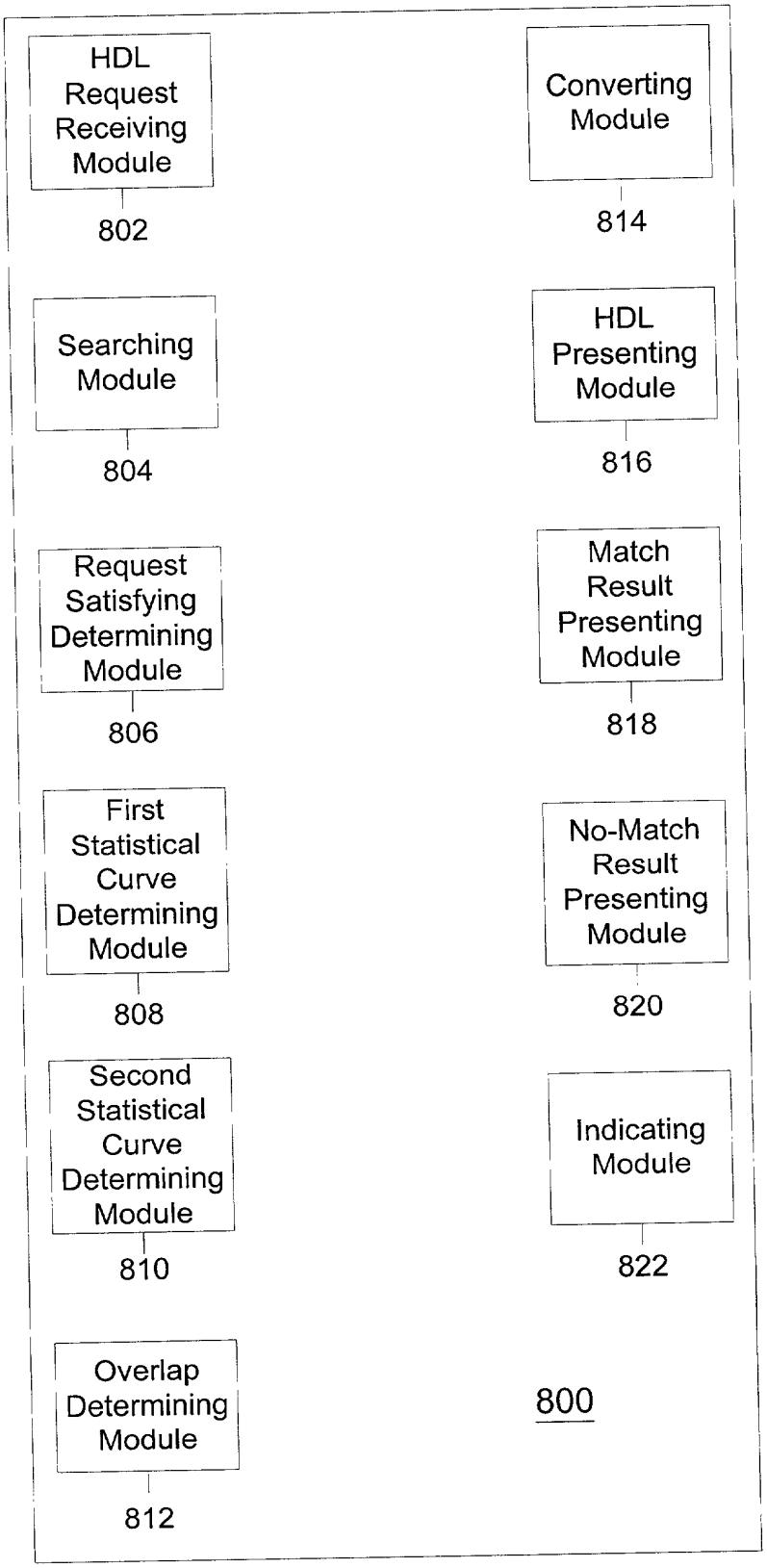
HDL Request Receiving Module
802
Searching Module
804
Request Satisfying Determining Module
806
First Statistical Curve Determining Module
808
Second Statistical Curve Determining Module
810
Overlap Determining Module
812
Converting Module
814
HDL Presenting Module
816
Match Result Presenting Module
818
No-Match Result Presenting Module
820
Indicating Module
822
800

Figure 8

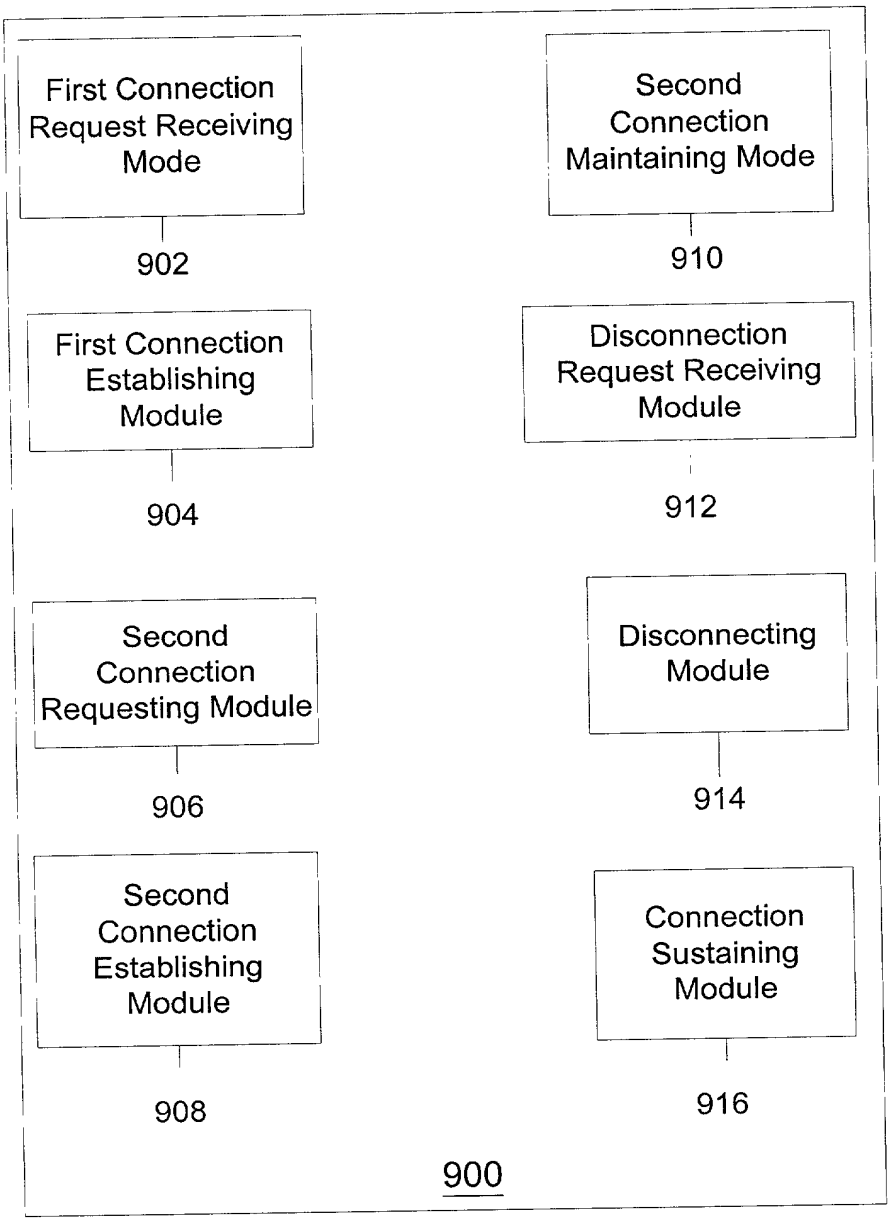
First Connection Request Receiving Mode
902
First Connection Establishing Module
904
Second Connection Requesting Module
906
Second Connection Establishing Module
908
Second Connection Maintaining Mode
910
Disconnection Request Receiving Module
912
Disconnecting Module
914
Connection Sustaining Module
916
900

Figure 9

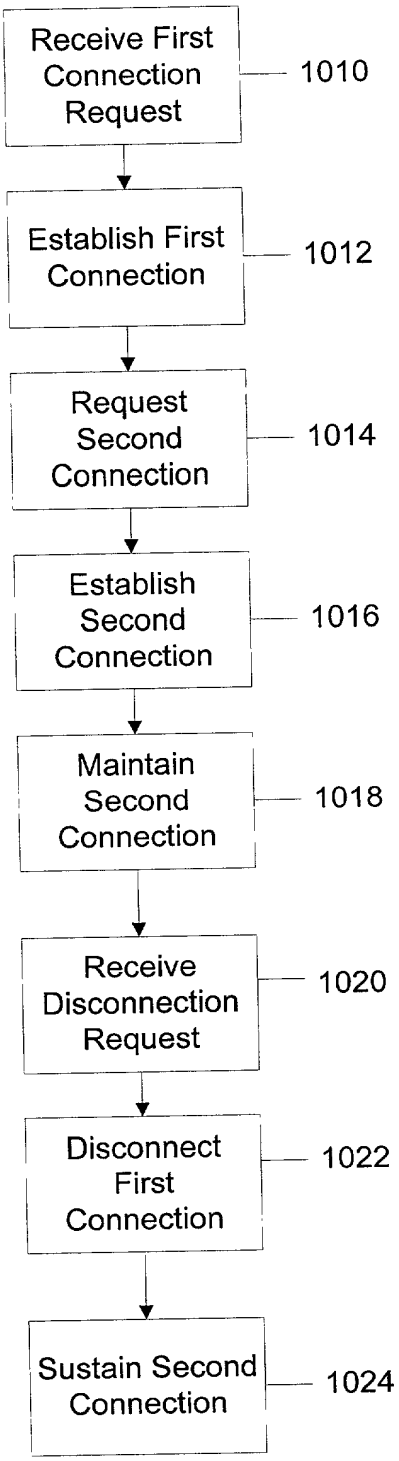
Receive First Connection Request
1010
Establish First Connection
1012
Request Second Connection
1014
Establish Second Connection
1016
Maintain Second Connection
1018
Receive Disconnection Request
1020
Disconnect First Connection
1022
Sustain Second Connection
1024

Figure 10

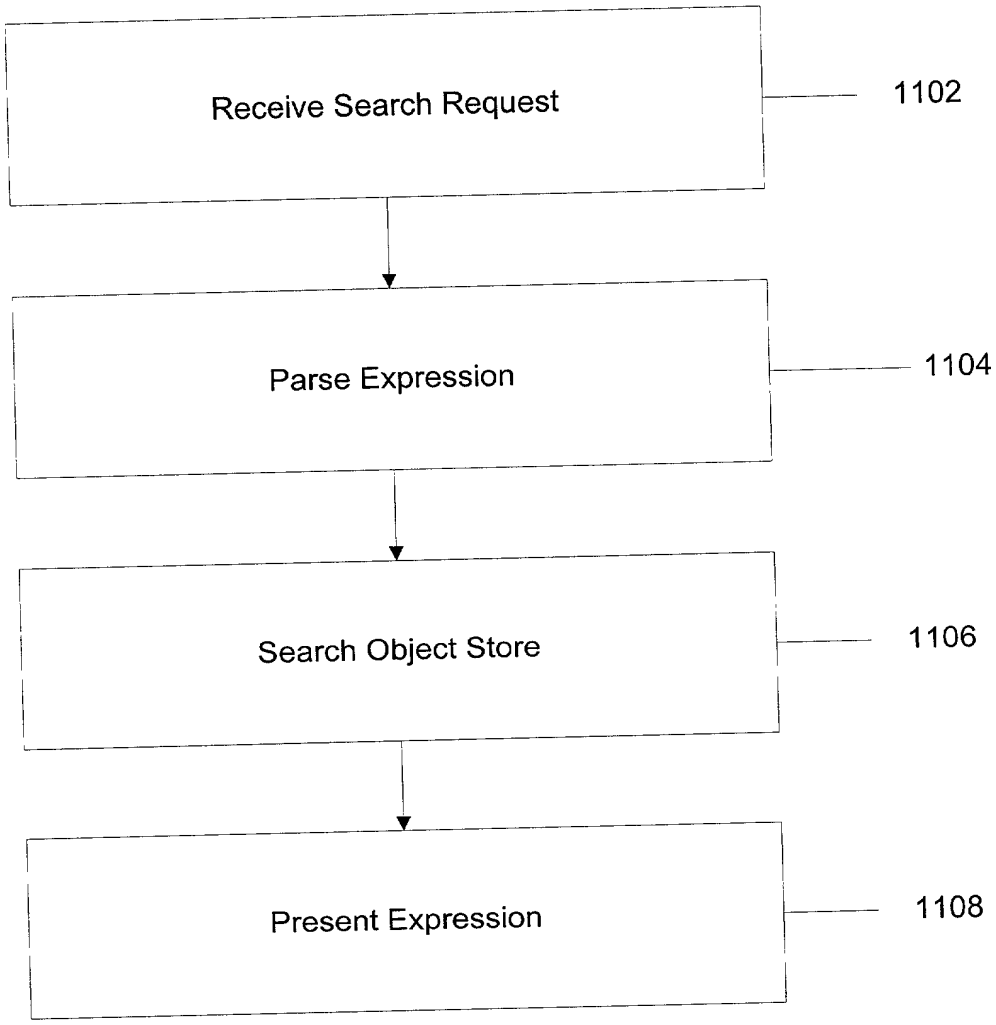
Receive Search Request
1102
Parse Expression
1104
Search Object Store
1106
Present Expression
1108

Figure 11

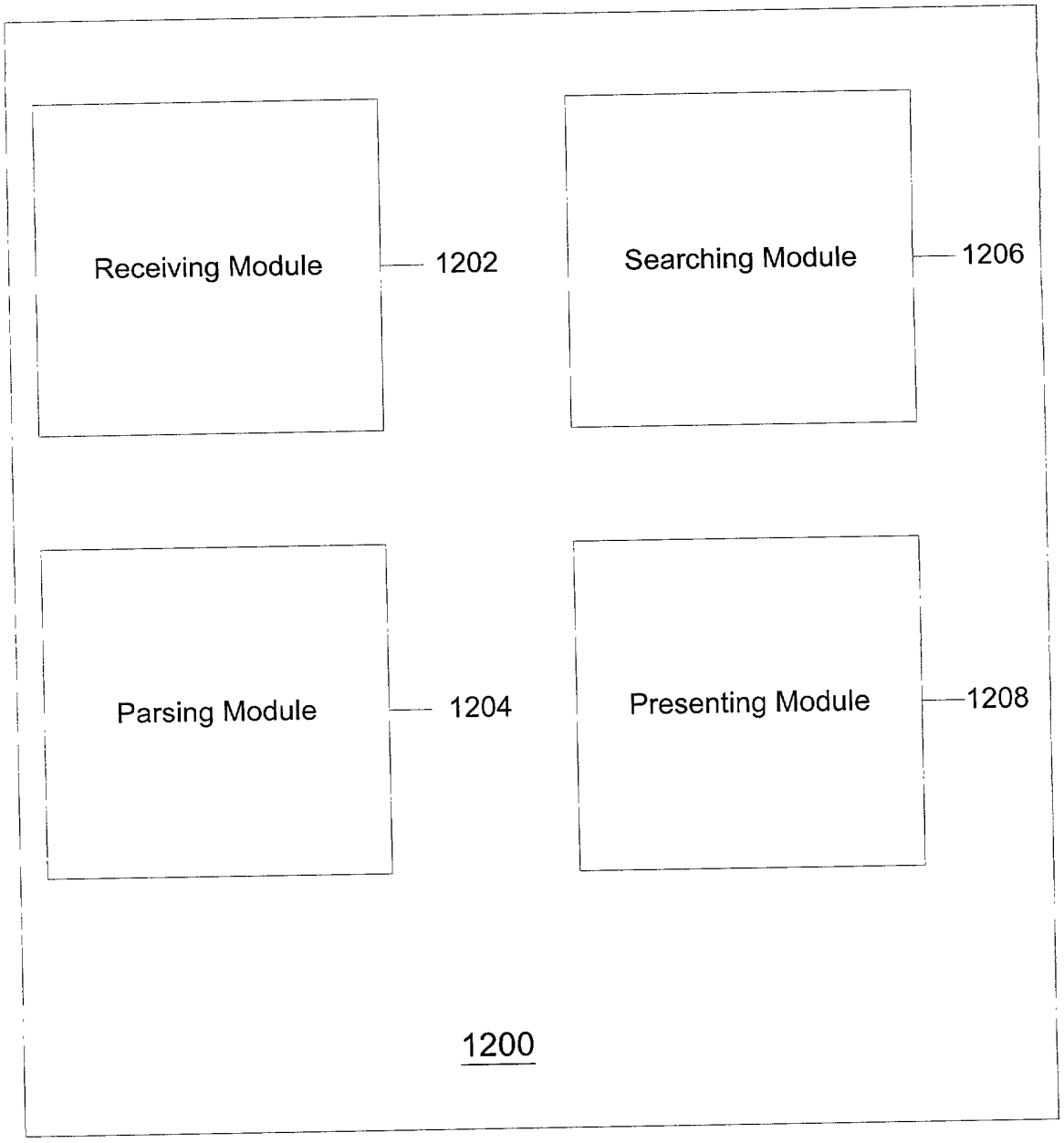
Receiving Module
1202
Searching Module
1206
Parsing Module
1204
Presenting Module
1208
1200

Figure 12

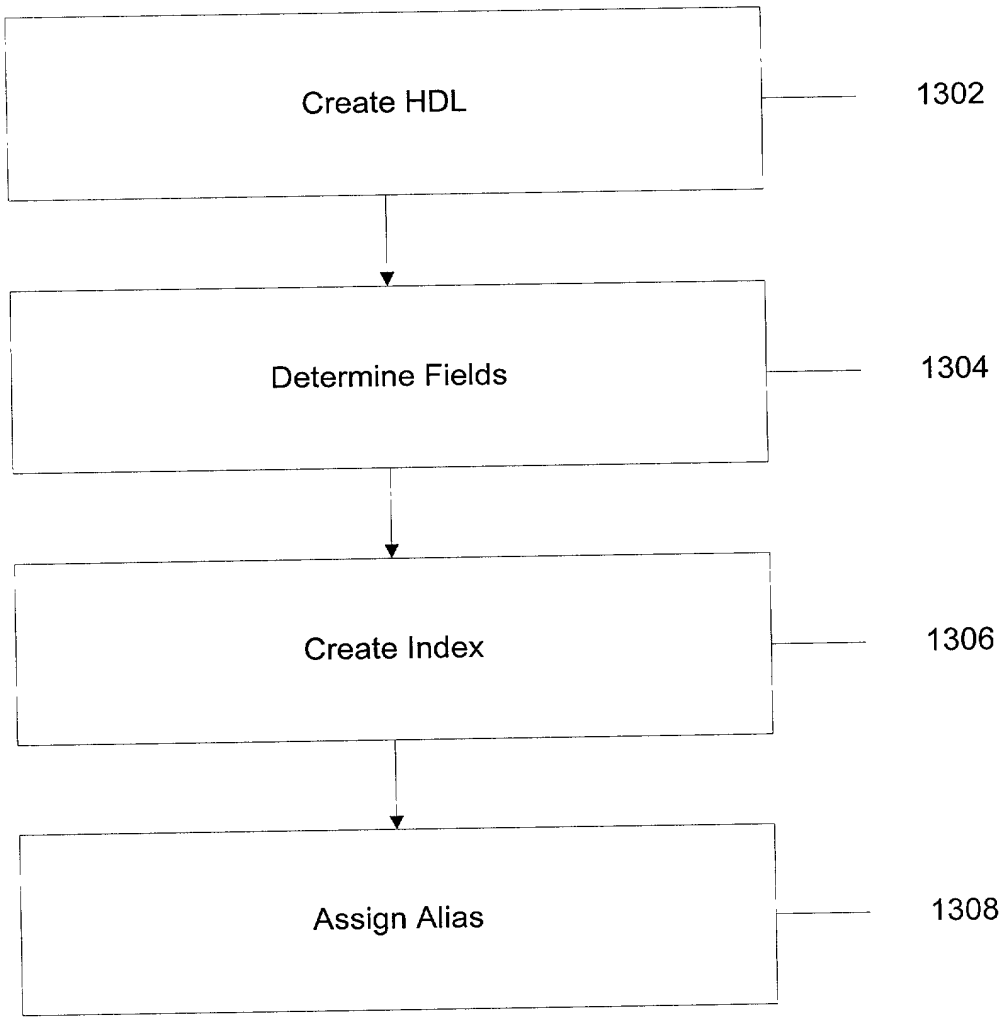
Create HDL
1302
Determine Fields
1304
Create Index
1306
Assign Alias
1308

Figure 13

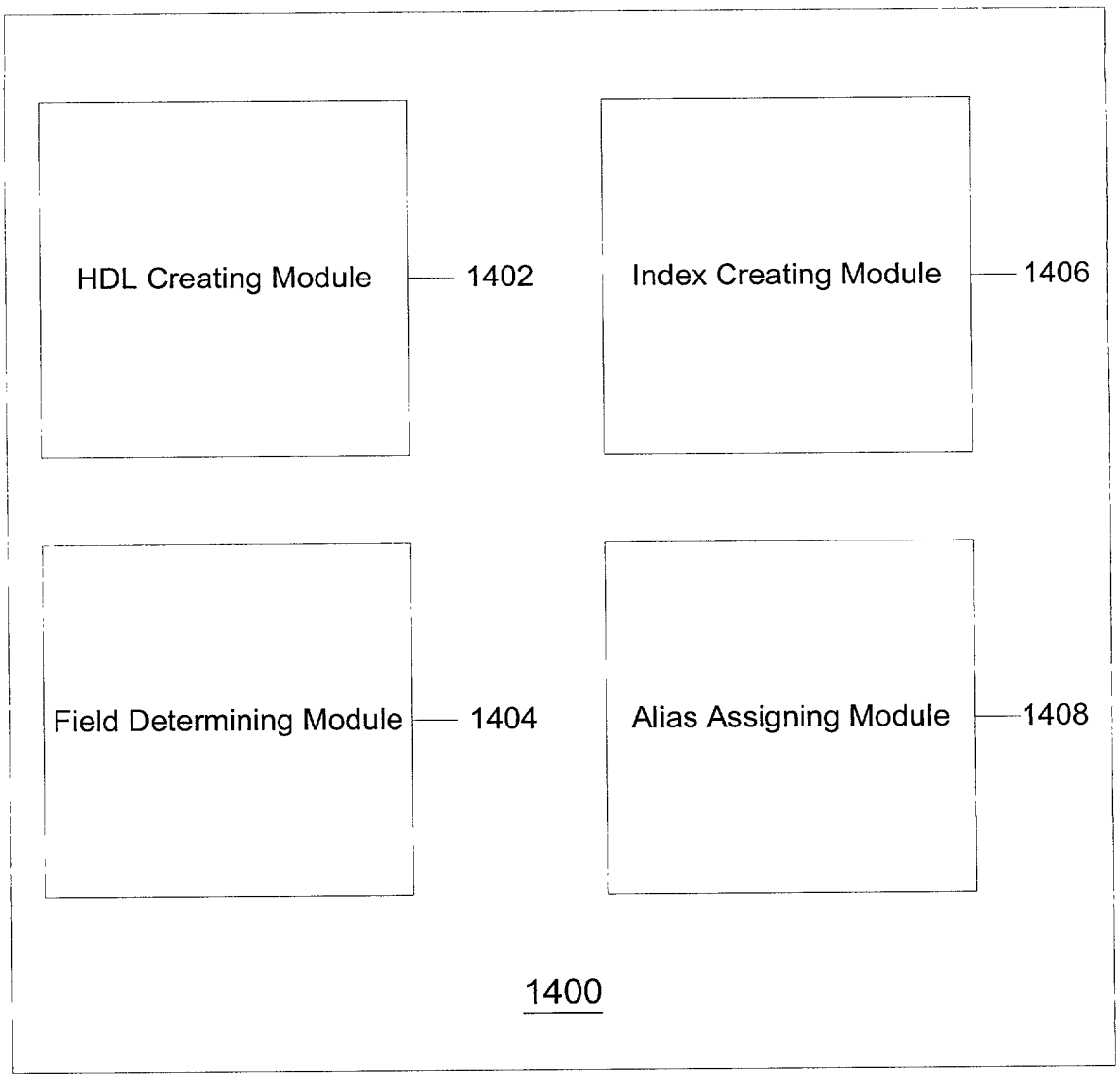
HDL Creating Module
1402
Index Creating Module
1406
Field Determining Module
1404
Alias Assigning Module
1408
1400

Figure 14

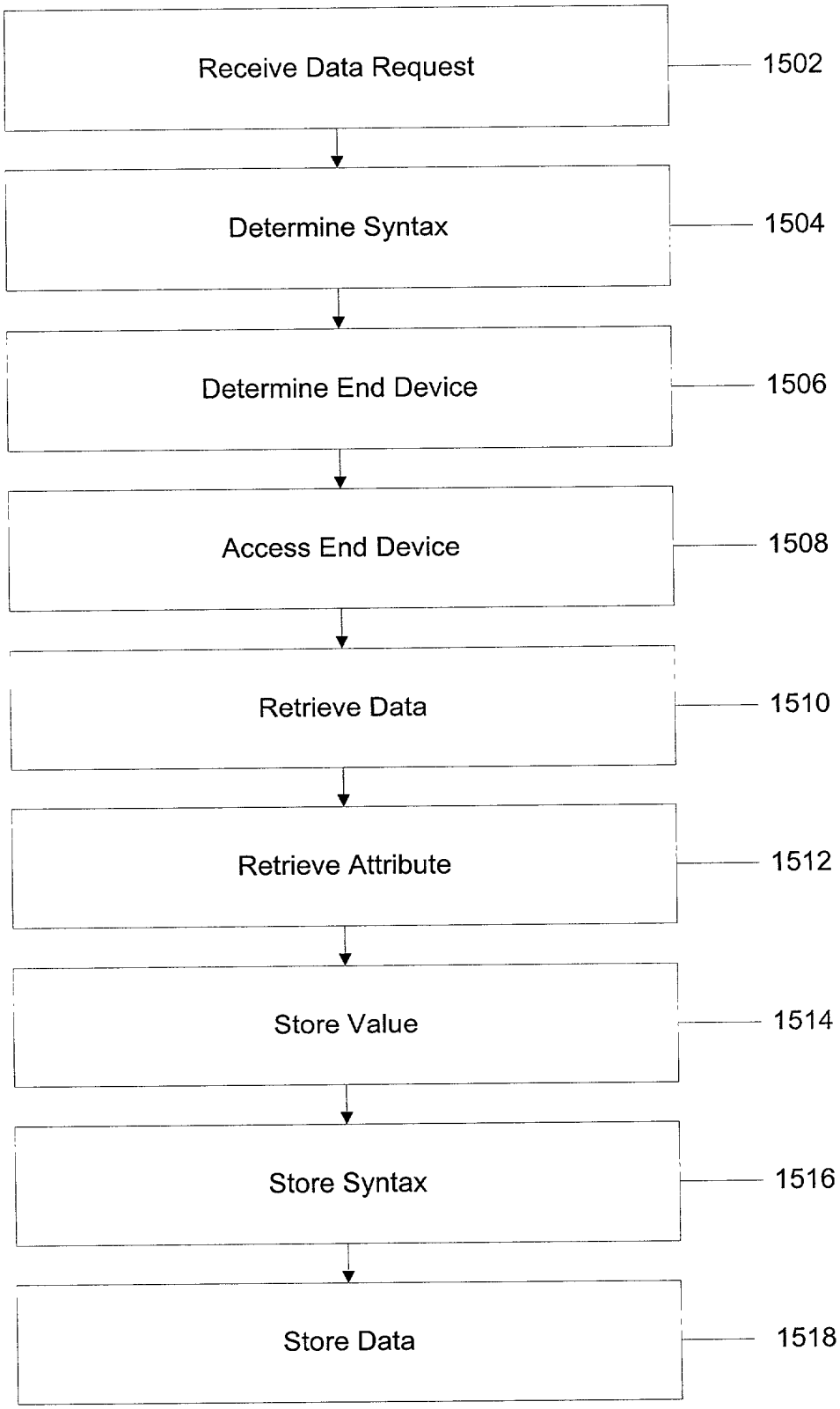
Receive Data Request
1502
Determine Syntax
1504
Determine End Device
1506
Access End Device
1508
Retrieve Data
1510
Retrieve Attribute
1512
Store Value
1514
Store Syntax
1516
Store Data
1518

Figure 15

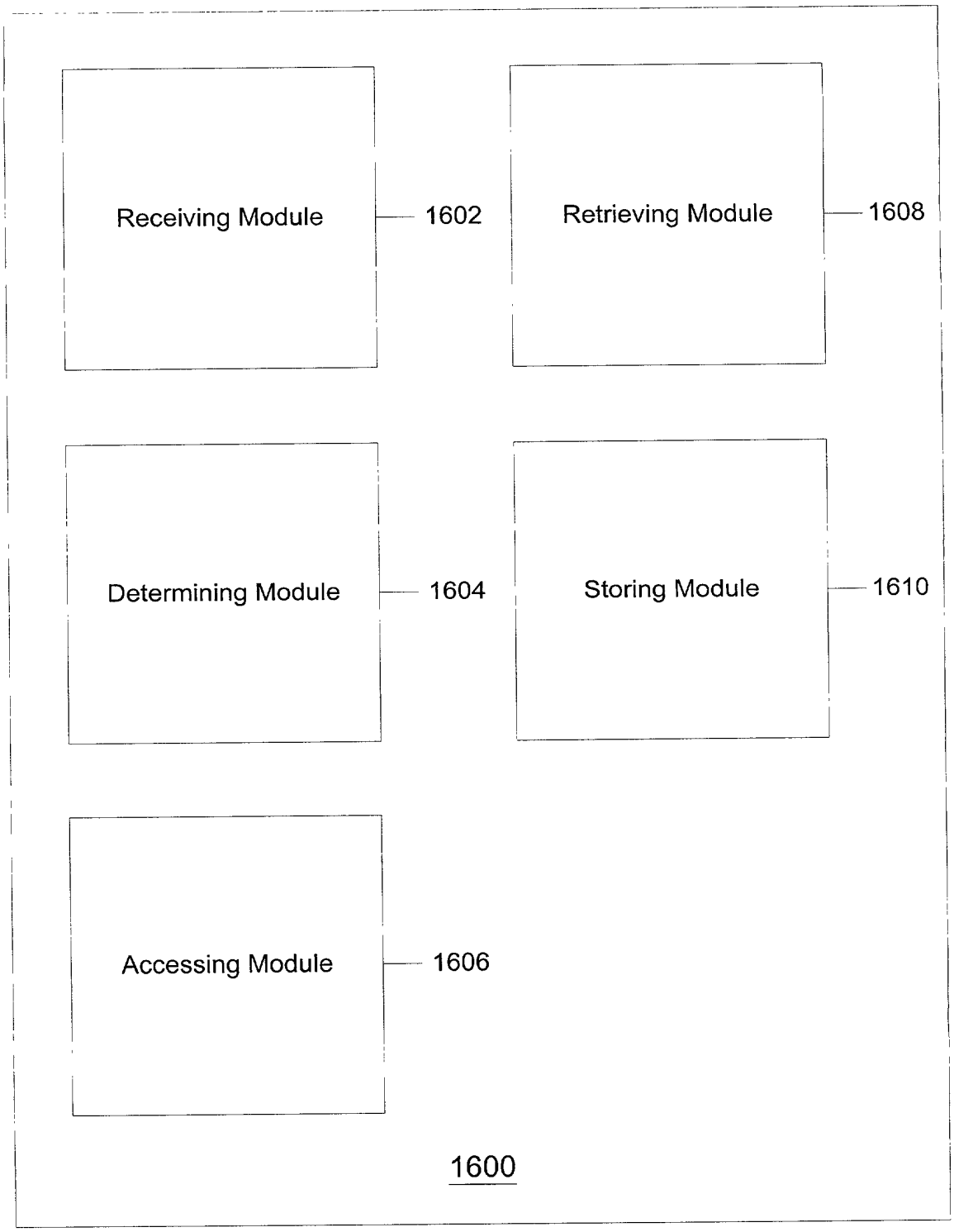
Receiving Module
1602
Retrieving Module
1608
Determining Module
1604
Storing Module
1610
Accessing Module
1606
1600

Figure 16